

## EAST Search History

| Ref # | Hits    | Search Query  | DBs                          | Default Operator | Plurals | Time Stamp       |
|-------|---------|---|------------------------------|------------------|---------|------------------|
| L1    | 3124    | 700/286-291,295-297,17,83.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR | ADJ              | ON      | 2007/02/23 08:27 |
| L2    | 9997    | 705/412,400,37,26,27.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR | ADJ              | ON      | 2007/02/23 08:27 |
| L3    | 4099    | 703/2,3,4,13,18,23.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR | ADJ              | ON      | 2007/02/23 08:27 |
| L4    | 17085   | L1 or L2 or L3  | US-PGPUB;<br>USPAT;<br>USOCR | ADJ              | ON      | 2007/02/23 08:27 |
| L5    | 1584150 | (electric or power or energy) same<br>(supply\$3 or output or capacity or<br>generate or generation or<br>generating) | US-PGPUB;<br>USPAT;<br>USOCR | ADJ              | ON      | 2007/02/23 08:31 |
| L6    | 195401  | (demand or supply or output or<br>capacity) near15 (table or chart or<br>graph)                                       | US-PGPUB;<br>USPAT;<br>USOCR | ADJ              | ON      | 2007/02/23 08:30 |
| L7    | 103579  | I5 and I6   | US-PGPUB;<br>USPAT;<br>USOCR | ADJ              | ON      | 2007/02/23 08:30 |
| L8    | 850     | I7 and I4   | US-PGPUB;<br>USPAT;<br>USOCR | ADJ              | ON      | 2007/02/23 08:30 |
| L9    | 33407   | I5 same I6  | US-PGPUB;<br>USPAT;<br>USOCR | ADJ              | ON      | 2007/02/23 08:31 |
| L10   | 288     | I9 and I4   | US-PGPUB;<br>USPAT;<br>USOCR | ADJ              | ON      | 2007/02/23 08:31 |
| L11   | 149     | I9 and I1   | US-PGPUB;<br>USPAT;<br>USOCR | ADJ              | ON      | 2007/02/23 08:31 |
| L12   | 132     | I11 and (@ad <"20030312" or<br>@pd<"20030312" or<br>@prad<"20030312" or<br>@rlad<"20030312" )                         | US-PGPUB;<br>USPAT;<br>USOCR | ADJ              | ON      | 2007/02/23 09:42 |
| L13   | 132     | I12 and I1  | US-PGPUB;<br>USPAT;<br>USOCR | ADJ              | ON      | 2007/02/23 09:42 |
| L14   | 22      | ("4075699"   "4168491"   "4337401"<br>  "4347575"   "4612624"  <br>"4661914"   "5274571").PN. OR<br>("5479358").URPN. | US-PGPUB;<br>USPAT;<br>USOCR | ADJ              | ON      | 2007/02/23 09:49 |

## EAST Search History

|     |    |  |   |     |     |                  |
|-----|----|--|---|-----|-----|------------------|
| L15 | 46 | ("2841331"   "2923832"   "3117221"<br>  "3124699"   "3229110"  <br>"3932735"   "4604714"   "5432710"<br>  "5553003"   "5621654"  <br>"5734586").PN. OR ("6021402").<br>URPN.   | US-PGPUB;<br>USPAT;<br>USOCR                | ADJ | ON  | 2007/02/23 09:48 |
| L16 | 1  | I14 and L15 and (@ad <"20030312"<br>or @pd<"20030312" or<br>@prad<"20030312" or<br>@rlad<"20030312" )  | US-PGPUB;<br>USPAT;<br>USOCR                | ADJ | ON  | 2007/02/23 09:48 |
| L17 | 21 | I14 and (@ad <"20030312" or<br>@pd<"20030312" or<br>@prad<"20030312" or<br>@rlad<"20030312" )  | US-PGPUB;<br>USPAT;<br>USOCR                | ADJ | ON  | 2007/02/23 09:49 |
| L24 | 27 | ("4551812"   "5216623"   "5404136"<br>  "5566084"   "5572438"  <br>"5576700"   "5696695"   "5706191"<br>  "5729474"   "5732193"  <br>"5761083"   "5793974"   "5794212"<br>  "5924486"   "5958012"  <br>"5974403"   "6021402"   "6088659"<br>  "6105000"   "6178362").PN. OR<br>("6577962").URPN. | US-PGPUB;<br>USPAT;<br>USOCR                | ADJ | ON  | 2007/02/23 10:07 |
| L25 | 26 | I24 and(@ad <"20030312" or<br>@pd<"20030312" or<br>@prad<"20030312" or<br>@rlad<"20030312" )   | US-PGPUB;<br>USPAT;<br>USOCR                | ADJ | ON  | 2007/02/23 10:07 |
| L26 | 2  | ("5873251").PN.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR  | OFF | 2007/02/23 11:37 |
| L27 | 2  | ("6021402").PN.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR  | OFF | 2007/02/23 11:37 |

## EAST Search History

|     |    |  |   |     |     |                  |
|-----|----|--|---|-----|-----|------------------|
| L28 | 29 | (US-20040181491-\$ or<br>US-20030177057-\$ or<br>US-20040039622-\$ or<br>US-20040006502-\$ or<br>US-20020087234-\$ or<br>US-20060282196-\$ or<br>US-20020040356-\$ or<br>US-20010025209-\$ or<br>US-20030105556-\$ or<br>US-20050136311-\$ or<br>US-20020169523-\$ or<br>US-20020099640-\$ or<br>US-20030041037-\$ or<br>US-20020128747-\$).did. or<br>(US-6868293-\$ or US-6473744-\$ or<br>US-6577962-\$ or US-5974403-\$ or<br>US-5798939-\$ or US-5770895-\$ or<br>US-6904337-\$ or US-5873251-\$ or<br>US-6665590-\$ or US-5479358-\$ or<br>US-7146256-\$ or US-6850820-\$ or<br>US-6618648-\$ or US-6185483-\$ or<br>US-5216623-\$).did. | US-PGPUB;<br>USPAT                          | ADJ | ON  | 2007/02/23 14:05 |
| L29 | 13 | I28 and maintenance  | US-PGPUB;<br>USPAT                          | ADJ | ON  | 2007/02/23 14:05 |
| S1  | 2  | ("20040181491").PN.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR  | OFF | 2007/02/22 11:00 |
| S2  | 2  | ("6021402").PN.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR  | OFF | 2007/02/22 11:29 |
| S3  | 46 | ("2841331"   "2923832"   "3117221"<br>  "3124699"   "3229110"  <br>"3932735"   "4604714"   "5432710"<br>  "5553003"   "5621654"  <br>"5734586").PN. OR ("6021402").<br>URPN.   | US-PGPUB;<br>USPAT;<br>USOCR                | ADJ | ON  | 2007/02/22 11:04 |
| S4  | 45 | S3 and (@ad <"20030312" or<br>@pd<"20030312" or<br>@prad<"20030312" or<br>@rlad<"20030312" )   | US-PGPUB;<br>USPAT;<br>USOCR                | ADJ | ON  | 2007/02/23 08:32 |

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|     |         |   |   |     |    |                  |
|-----|---------|---|---|-----|----|------------------|
| S5  | 50      | (US-20040181491-\$).did. or<br>(US-5660739-\$ or US-4330998-\$ or<br>US-4422298-\$ or US-5648910-\$ or<br>US-5956621-\$ or US-6292830-\$ or<br>US-5404310-\$ or US-5526525-\$ or<br>US-5815824-\$ or US-4469071-\$ or<br>US-4945232-\$ or US-5521421-\$ or<br>US-5523599-\$ or US-5625530-\$ or<br>US-5627305-\$ or US-5875047-\$ or<br>US-6075801-\$ or US-6133587-\$ or<br>US-6152251-\$ or US-6184457-\$ or<br>US-4266179-\$ or US-4265106-\$ or<br>US-4278869-\$ or US-4286538-\$ or<br>US-4317019-\$ or US-4327511-\$).<br>did. or (US-4392814-\$ or<br>US-4401530-\$ or US-4420939-\$ or<br>US-4471352-\$ or US-4517527-\$ or<br>US-4546227-\$ or US-4549189-\$ or<br>US-4562451-\$ or US-4562128-\$ or<br>US-4602165-\$ or US-4623304-\$ or<br>US-4632555-\$ or US-4756463-\$ or<br>US-4810857-\$ or US-4815992-\$ or<br>US-4816983-\$ or US-4845339-\$ or<br>US-4859866-\$ or US-4874291-\$ or<br>US-4901138-\$ or US-4902853-\$ or<br>US-4905235-\$ or US-4905910-\$).<br>did. | US-PGPUB;<br>USPAT                          | ADJ | ON | 2007/02/22 11:22 |
| S6  | 0       | (electric or electricity or power)<br>near5 (generat\$3 or trade or<br>trading)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | ADJ | ON | 2007/02/22 11:44 |
| S7  | 1080787 | (electric or electricity or power)<br>same (generat\$3 or trade or<br>trading)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | ADJ | ON | 2007/02/22 11:44 |
| S8  | 749384  | (electric or electricity or power)<br>near15 (generat\$3 or trade or<br>trading)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | ADJ | ON | 2007/02/22 13:23 |
| S9  | 35      | stochastic same (distribution or<br>graph or chart) near10 (demand or<br>curtail\$4 or annul\$4 or unit price or<br>interrupt\$4)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | ADJ | ON | 2007/02/22 13:29 |
| S10 | 35      | stochastic same ((distribution or<br>graph or chart) near10 (demand or<br>curtail\$4 or annul\$4 or unit price or<br>interrupt\$4))   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | ADJ | ON | 2007/02/22 13:26 |
| S11 | 2       | S8 same S10   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | ADJ | ON | 2007/02/22 11:50 |

## EAST Search History

|     |       |  |   |     |     |                  |
|-----|-------|--|---|-----|-----|------------------|
| S12 | 3     | S8 and S10   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | ADJ | ON  | 2007/02/22 11:50 |
| S13 | 3     | S10 and electric   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | ADJ | ON  | 2007/02/22 13:26 |
| S14 | 27    | S10 and (@ad <"20030312" or<br>@pd<"20030312" or<br>@prad<"20030312" or<br>@rlad<"20030312" )  | US-PGPUB;<br>USPAT;<br>USOCR                | ADJ | ON  | 2007/02/22 14:29 |
| S15 | 4074  | (electric or power or utility) same<br>((distribution or statistic or chart or<br>graph) near10 (demand or cost or<br>interruption or down time or output<br>or cutoff)) | US-PGPUB;<br>USPAT;<br>USOCR                | ADJ | ON  | 2007/02/22 14:52 |
| S16 | 20819 | (electric or power or utility) same<br>((distribution or statistic or chart or<br>graph) near10 (demand or cost or<br>interruption or down time or output<br>or cutoff)) | US-PGPUB;<br>USPAT;<br>USOCR                | ADJ | ON  | 2007/02/22 13:51 |
| S17 | 128   | S16 and stochastic   | US-PGPUB;<br>USPAT;<br>USOCR                | ADJ | ON  | 2007/02/22 13:51 |
| S18 | 103   | S17 and (@ad <"20030312" or<br>@pd<"20030312" or<br>@prad<"20030312" or<br>@rlad<"20030312" )  | US-PGPUB;<br>USPAT;<br>USOCR                | ADJ | ON  | 2007/02/22 13:51 |
| S19 | 21    | S18 and "705".\$ccls.  | US-PGPUB;<br>USPAT;<br>USOCR                | ADJ | ON  | 2007/02/22 14:00 |
| S20 | 2     | ("5974403").PN.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR  | OFF | 2007/02/22 14:00 |
| S21 | 33    | ("3857027"   "3886330"   "4464724"<br>  "4641248"   "4758962"  <br>"4843575").PN. OR ("5798939").<br>URPN.   | US-PGPUB;<br>USPAT;<br>USOCR                | ADJ | ON  | 2007/02/22 14:29 |
| S22 | 0     | S21 and "5,974,403"  | US-PGPUB;<br>USPAT;<br>USOCR                | ADJ | ON  | 2007/02/22 14:29 |
| S23 | 28    | S21 and (@ad <"20030312" or<br>@pd<"20030312" or<br>@prad<"20030312" or<br>@rlad<"20030312" )  | US-PGPUB;<br>USPAT;<br>USOCR                | ADJ | ON  | 2007/02/22 16:07 |

## EAST Search History

|     |        |  |                        |     |    |                  |
|-----|--------|--|------------------------|-----|----|------------------|
| S24 | 10362  | (electric or electricity or power) same (chart or distribution or graph or table) near3 (demand or output or cutoff or interruption or down time)    | US-PGPUB; USPAT; USOCR | ADJ | ON | 2007/02/22 14:54 |
| S25 | 25550  | (electric or electricity or power) same ((chart or distribution or graph or table) near10 (demand or output or cutoff or interruption or down time)) | US-PGPUB; USPAT; USOCR | ADJ | ON | 2007/02/22 14:54 |
| S26 | 358818 | (electric or electricity or power) near5 (transaction or trad\$3 or generat\$4)  | US-PGPUB; USPAT; USOCR | ADJ | ON | 2007/02/22 14:55 |
| S27 | 2383   | S25 same S26   | US-PGPUB; USPAT; USOCR | ADJ | ON | 2007/02/22 14:59 |
| S28 | 649118 | (electric or electricity or power) near10 (trade or trading or produc\$5 or generat\$3)  | US-PGPUB; USPAT; USOCR | ADJ | ON | 2007/02/22 15:00 |
| S29 | 159227 | (chart or graph or table) near20 (demand or output or interruption or cutoff or downtime)  | US-PGPUB; USPAT; USOCR | ADJ | ON | 2007/02/22 15:02 |
| S30 | 3182   | S28 same S29   | US-PGPUB; USPAT; USOCR | ADJ | ON | 2007/02/22 15:45 |
| S31 | 665    | 700/286.ccls.  | US-PGPUB; USPAT; USOCR | ADJ | ON | 2007/02/22 15:52 |
| S32 | 0      | 700/286, "287".ccls.   | US-PGPUB; USPAT; USOCR | ADJ | ON | 2007/02/22 15:52 |
| S33 | 818    | 700/286,287.ccls.  | US-PGPUB; USPAT; USOCR | ADJ | ON | 2007/02/22 15:52 |
| S34 | 187    | 700/287.ccls.  | US-PGPUB; USPAT; USOCR | ADJ | ON | 2007/02/22 15:53 |
| S35 | 1113   | 700/286-291.ccls.  | US-PGPUB; USPAT; USOCR | ADJ | ON | 2007/02/22 15:53 |
| S36 | 3124   | 700/286-291,295-297,17,83.ccls.  | US-PGPUB; USPAT; USOCR | ADJ | ON | 2007/02/22 15:54 |
| S37 | 9997   | 705/412,400,37,26,27.ccls.   | US-PGPUB; USPAT; USOCR | ADJ | ON | 2007/02/22 15:54 |

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|     |        |  |                              |     |    |                  |
|-----|--------|--|------------------------------|-----|----|------------------|
| S38 | 4099   | 703/2,3,4,13,18,23.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR | ADJ | ON | 2007/02/22 15:56 |
| S39 | 17085  | S36 or S37 or S38  | US-PGPUB;<br>USPAT;<br>USOCR | ADJ | ON | 2007/02/22 15:57 |
| S40 | 435039 | ((energy or electricity or electric or power) near5 (demand or output or maintenance or interruption))   | US-PGPUB;<br>USPAT;<br>USOCR | ADJ | ON | 2007/02/22 16:02 |
| S41 | 2100   | S39 and S40  | US-PGPUB;<br>USPAT;<br>USOCR | ADJ | ON | 2007/02/22 16:02 |
| S42 | 26672  | (((energy or electricity or electric or power) near5 (demand or output or maintenance or interruption))) same (demand analysis or chart or graph or table) | US-PGPUB;<br>USPAT;<br>USOCR | ADJ | ON | 2007/02/22 16:13 |
| S43 | 320    | S39 and S42  | US-PGPUB;<br>USPAT;<br>USOCR | ADJ | ON | 2007/02/22 16:03 |
| S44 | 275    | S43 and (S36 or S37)   | US-PGPUB;<br>USPAT;<br>USOCR | ADJ | ON | 2007/02/22 16:06 |
| S45 | 287    | S43 and (@ad <"20030312" or @pd<"20030312" or @prad<"20030312" or @rlad<"20030312" )   | US-PGPUB;<br>USPAT;<br>USOCR | ADJ | ON | 2007/02/22 16:07 |
| S46 | 24499  | (((energy or electricity or power) near5 (demand or output or maintenance or interruption))) same (demand analysis or chart or graph or table)             | US-PGPUB;<br>USPAT;<br>USOCR | ADJ | ON | 2007/02/22 16:34 |
| S47 | 219    | S43 and S36  | US-PGPUB;<br>USPAT;<br>USOCR | ADJ | ON | 2007/02/22 16:17 |
| S48 | 192    | S47 and (@ad <"20030312" or @pd<"20030312" or @prad<"20030312" or @rlad<"20030312" )   | US-PGPUB;<br>USPAT;<br>USOCR | ADJ | ON | 2007/02/22 16:17 |
| S49 | 8532   | (((energy or electricity or power) near5 (demand or output or maintenance or interruption))) near15 (demand analysis or chart or graph or table)           | US-PGPUB;<br>USPAT;<br>USOCR | ADJ | ON | 2007/02/22 17:24 |
| S50 | 91     | S49 and S36  | US-PGPUB;<br>USPAT;<br>USOCR | ADJ | ON | 2007/02/22 16:35 |

## EAST Search History

|     |         |  |                        |     |    |                  |
|-----|---------|--|------------------------|-----|----|------------------|
| S51 | 79      | S50 and (@ad <"20030312" or @pd<"20030312" or @prad<"20030312" or @rlad<"20030312" )   | US-PGPUB; USPAT; USOCR | ADJ | ON | 2007/02/22 16:35 |
| S52 | 3109    | ((energy or electricity or power) near5 (market demand or demand or output or maintenance or interruption))) near5 (fluctuations or price or variance) | US-PGPUB; USPAT; USOCR | ADJ | ON | 2007/02/22 17:25 |
| S53 | 313919  | (market demand or demand or output) same (graph or chart or table)   | US-PGPUB; USPAT; USOCR | ADJ | ON | 2007/02/22 17:26 |
| S54 | 918     | S52 and S53  | US-PGPUB; USPAT; USOCR | ADJ | ON | 2007/02/22 17:26 |
| S55 | 77      | S54 and S39  | US-PGPUB; USPAT; USOCR | ADJ | ON | 2007/02/22 17:27 |
| S56 | 70      | S55 and (@ad <"20030312" or @pd<"20030312" or @prad<"20030312" or @rlad<"20030312" )   | US-PGPUB; USPAT; USOCR | ADJ | ON | 2007/02/22 18:27 |
| S57 | 1325032 | (electricity or power or energy) same (generat\$3 or produc\$4)  | US-PGPUB; USPAT; USOCR | ADJ | ON | 2007/02/22 18:30 |
| S58 | 668765  | (electricity or power or energy) near10 (generat\$3 or produc\$4)  | US-PGPUB; USPAT; USOCR | ADJ | ON | 2007/02/22 18:31 |
| S59 | 532664  | (electricity or power or energy) near5 (generat\$3 or produc\$4)   | US-PGPUB; USPAT; USOCR | ADJ | ON | 2007/02/22 18:32 |
| S60 | 141102  | (output or demand or analysis) near5 (chart or graph or table)   | US-PGPUB; USPAT; USOCR | ADJ | ON | 2007/02/22 18:32 |
| S61 | 23209   | S59 and S60  | US-PGPUB; USPAT; USOCR | ADJ | ON | 2007/02/22 18:32 |
| S62 | 350491  | (electricity or power or energy) near5 (generat\$3)  | US-PGPUB; USPAT; USOCR | ADJ | ON | 2007/02/22 18:32 |
| S63 | 16160   | S62 and S60  | US-PGPUB; USPAT; USOCR | ADJ | ON | 2007/02/22 18:33 |
| S64 | 244     | S63 and S39  | US-PGPUB; USPAT; USOCR | ADJ | ON | 2007/02/22 18:33 |